



PATENT  
Attorney Docket No.: 463037-00220/A-68718-4RFT/RMS/RMK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BLACKBURN et al.

Serial No. 09/993,342

Filed: November 05, 2001

For: DEVICES AND METHODS FOR  
BIOCHIP MULTIPLEXING

Examiner: Not Yet Assigned

Group Art Unit: 1744

CERTIFICATE OF MAILING

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Dated:

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8.15.02  
Christine P. Peters

Christine P. Peters

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicant wishes to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449. Because of the voluminous number of references they are being forwarded to the PTO in 2 boxes. Box number 1 contains all the foreign patents and box number 2 contains all of US patents and other references. A copy of this IDS and the 1449 are enclosed in each box.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications;

1. United States Serial Number 09/760,384, filed January 11, 2001 and U.S.S.N. 09/904,175, filed July 11, 2001.
2. U.S.S.N. 09/295,691, filed April 21, 1999.

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DATE: November 05, 2001

3. U.S.S.N. 09/397,957, filed September 17, 1999.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references 73, 93, 120, 132-134, and 141-142 listed on the enclosed form PTO-1449 were cited in an International Search Report dated October 05, 2001, for a counterpart PCT application. References 73, 93, 132, 134-135, 141-143 listed on the enclosed form PTO-1449 were cited in an International Search Report June 05, 2002, for a counterpart PCT application. Copies of both International Search Reports are enclosed herewith.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

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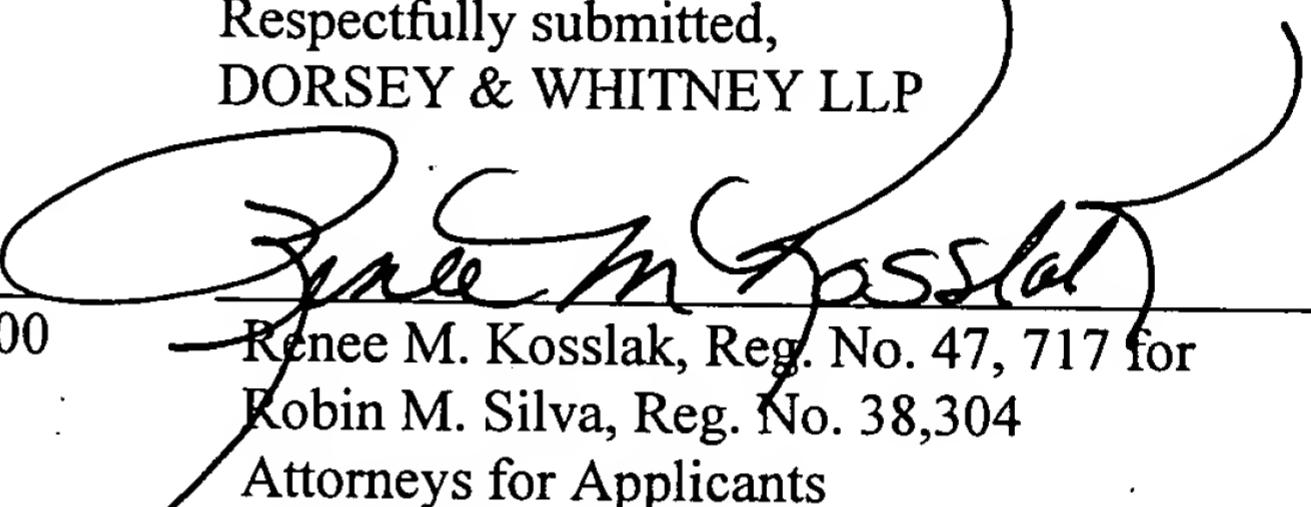
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This Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of a national stage, or before the mailing date of a first Office Action on the merits, 37 C.F.R. § 1.97(b), and therefore no fee is required. The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319  
(Our Order No. 463037-00220 [A-68718-4/RFT/RMS/RMK]).

Date: 8/14/02  
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Respectfully submitted,  
DORSEY & WHITNEY LLP

  
Renee M. Kosslek, Reg. No. 47,717 for  
Robin M. Silva, Reg. No. 38,304  
Attorneys for Applicants  
Filed under 37 C.F.R. § 1.34(a)

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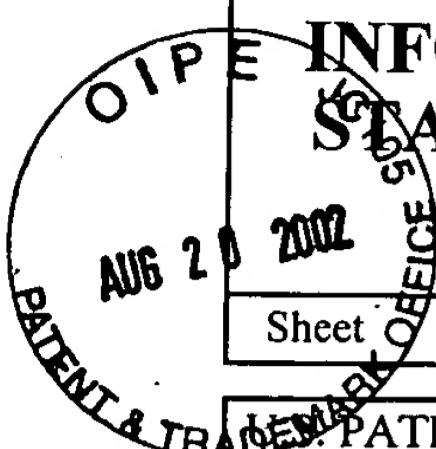
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AUG 20

**PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
1	4,704,193			Bowers et al.	11/1987	
2	4,707,352			Stavrianopoulos	11/1987	
3	4,707,440			Stavrianopoulos	11/1987	
4	4,711,955			Ward et al.	12/1987	
5	4,755,458			Rabbani et al.	7/1988	
6	4,787,963			MacConnell	11/1988	
7	4,840,893			Hill et al.	6/1989	
8	4,849,513			Smith et al.	7/1989	
9	4,868,103			Stavrianopoulos et al.	9/1989	
10	4,894,325			Englehardt et al.	1/1990	
11	4,882,013			Turner et al.	11/1989	
12	4,943,523			Stavrianopoulos	7/1990	
13	4,945,045			Forrest et al.	07/1990	
14	4,952,685			Stavrianopoulos	8/1990	
15	4,964,972			Sagiv et al.	10/1990	
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18	5,837,859			Teoule et al.	11/1998	

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		Office <sup>3</sup>	Number <sup>4</sup>				
19	EP	0 234 938	A2	Cranfield Inst. of Tech.	2/1987		
20	EP	0 229 943	B1	Molecular Biosystems Inc.	7/1987		
21	EP	0 599 337	A2	Canon Kabushiki Kaisha	1/1994		
22	EP	0 063 879	A2	Yale University	11/1982		
23	EP	0 515 615		Boehringer Nannheim	9/1996		
24	CA	2 090 904	A1	F. Hoffman-La Roche	9/1993		
25	JP	238,166	A	Mitsubishi Corp.	1988	abstract	
26	JP	6-41183	A2	Mitsubishi Corp.	1994		

Examiner Signature	Date Considered
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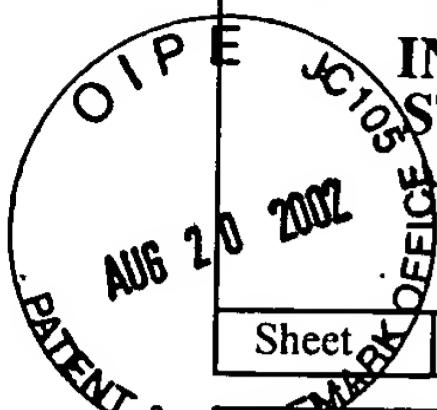
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

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Sheet 2 of 15

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		Number	Kind Code <sup>2</sup> (if known)			
	27	5,002,885		Stavrianopoulos	3/1991	
	28	5,013,831		Stavrianopoulos	5/1991	
	29	5,066,372		Weetall	11/1991	
	30	5,082,830		Brakel et al.	1/1992	
	31	5,089,112		Skotheim et al.	02/1992	
	32	5,156,810		Ribi	10/1992	
	33	5,175,269		Stavrianopoulos	12/1992	
	34	5,180,968		Bruckensteine et al.	01/1993	
	35	5,241,060		Englehardt et al.	8/1993	
	36	5,242,828		Bergstrom et al.	09/1993	
	37	5,278,043		Bannwarth et al.	1/1995	
	38	5,312,527		Mikkelsen et al.	5/1994	
	39	5,328,824		Ward et al.	7/1994	
	40	5,356,786		Heller et al.	10/1994	
	41	5,391,272		O'Daly et al.	02/1995	
	42	5,403,451		Riviello et al.	4/1995	
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	44	5,443,701		Willner et al.	08/1995	
	45	5,571,568		Ribi et al.	11/1996	
	46	5,632,957		Heller et al.	05/1997	

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		Office <sup>3</sup>	Number <sup>4</sup>				
	47	WO	90/05732	A1	Columbia Univ.	5/1990	
	48	WO	92/10757	A1	Boehringer Mannheim	6/1992	
	49	WO	93/10267	A1	IGEN, Inc.	5/1993	
	50	WO	94/22889	A1	Cis Bio International	10/1994	
	51	WO	95/15971	A2	Calif. Inst. of Technology	6/1995	
	52	WO	96/40712	A1	Calif. Inst. of Technology	12/1996	

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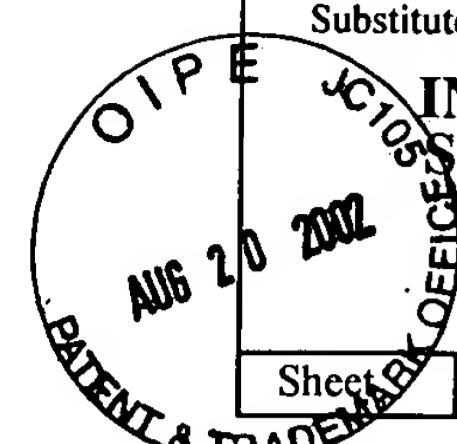
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		Number	Kind Code <sup>2</sup> (if known)			
	53	5,705,346		Okamoto et al.	01/1998	
	54	5,705,348		Meade et al.	1/1998	
	55	5,741,700		Ershov et al.	4/1998	
	56	5756,050		Ershov et al.	5/1998	
	57	5,770,369		Meade et al.	6/1998	
	58	5,770,721		Ershov et al.	6/1998	
	59	5,776,672		Hashimoto et al.	7/1998	
	60	5,700,667		Marble et al.	12/1997	
	61	5,780,234		Meade et al.	7/1998	
	62	5,601,982		Sargent et al.	2/1997	
	63	5,620,850		Bamdad et al.	4/1997	
	64	5,622,821		Selvin et al.	04/1997	
	65	5,650,061		Kuhr et al.	07/1997	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
	66	WO	97/01646	A2	Univ. of N. Carolina	1/1997		
	67	WO	97/44651	A1	AU Membrane and	11/1997		
	68	WO	97/27329	A1	Univ. of Chicago	7/1997		
	69	WO	98/20162	A2	Clinical Micro Systems	5/1998		
	70	WO	98/27229	A1	Univ. of Chicago	6/1998		
	71	WO	98/28444	A2	Univ. of Chicago	7/1998		
	72	WO	98/35232	A2	Univ. of N. Carolina	8/1998		
	73	WO	98/57159	A1	Clinical Micro Systems	6/1997		
	74	WO	99/67425	A2	Clinical Micro Systems	12/1999		
	75	WO	99/14596	A1	AB Sangtec Medical	3/1999		
	76	EP	0668502	B1	Yissum Research Dev.	05/2002		

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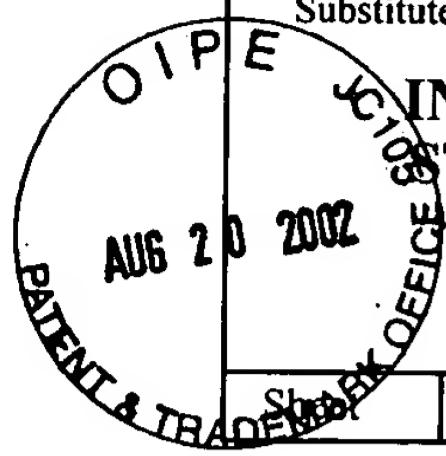
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Sheet

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77	5,824,473			Meade et al.	10/1998	
78	5,851,772			Mirzabekov et al.	12/1998	
79	5,952,172			Meade et al.	9/1999	
80	5,976,802			Ansorte et al.	11/1999	
81	6,090,933			Kayyem et al.	07/2000	
82	6,153,737			Manoharan et al.	11/2000	
83	6,180,352	B1		Meade et al.	01/2001	
84	6,238,870	B1		Meade et al.	05/2001	
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86	6,096,273			Kayyem et al.	08/2000	
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88	5,795,453			Gilmartin	08/1998	
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90	6,060,327			Keen	05/2000	
91	6,071,699			Meade et al.	06/2000	
92	6,087,100			Meade et al.	07/2000	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
93	WO	97/41425	A1		Pence Inc.	11/1997		
94	WO	99/37819	A2		Clinical Micro Systems	07/1999		
95	WO	86/05815	A1		Genetics International	03/1985		
96	WO	93/22678	A3		MIT	11/1993		
97	WO	97/31256	A3		Cornell Research	08/1997		
98	WO	98/51823	A1		Mosaic Technology	11/1998		
99	WO	99/57319	A1		Clinical Micro Systems	11/1999		
100	WO	99/29711	A1		Nanogen Inc.	06/1999		

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<p style="text-align: right;">U. S. PATENT AND TRADEMARK OFFICE</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p> <p>Sheet 5 of 15</p>		<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>Application Number</td> <td>09/993,342</td> </tr> <tr> <td>Filing Date</td> <td>November 05, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>BLACKBURN, et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1744</td> </tr> <tr> <td>Examiner Name</td> <td>Not Yet Assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>A-68718-4/RFT/RMS/RMK</td> </tr> </table>		Application Number	09/993,342	Filing Date	November 05, 2001	First Named Inventor	BLACKBURN, et al.	Group Art Unit	1744	Examiner Name	Not Yet Assigned	Attorney Docket Number	A-68718-4/RFT/RMS/RMK
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	101	6,177,250	B1	Meade et al.	01/2001	
	102	6,096,825		Garnier	08/2000	
	103	6,197,515	B1	Bamdad et al.	03/2001	
	104	6,203,758	B1	Marks et al.	03/2001	
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	112	6,300,141	B1	Segal	10/2001	
	113	6,306,584	B1	Bamdad et al.	10/2001	
	114	6,322,979	B1	Bamdad et al.	11/2001	
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## **FOREIGN PATENT DOCUMENTS**

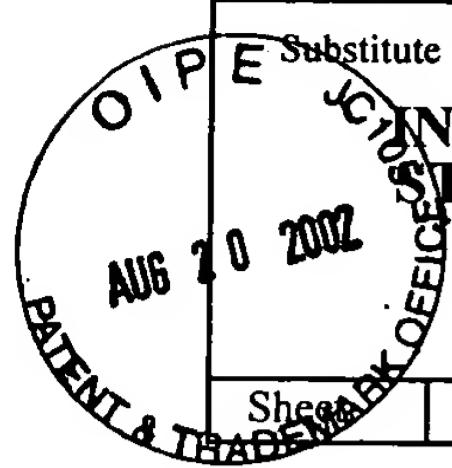
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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	123	5,552,270		Khrapko et al.	9/1996	
	124	5,565,552		Magda et al.	10/1996	
	125	5,573,906		Bannwarth et al.	11/1996	
	126	5,591,578		Meade et al.	1/1997	
	127	5,595,908		Fawcett et al.	1/1997	
	128	5,449,767		Ward et al.	9/1995	
	129	5,472,881		Beebe et al.	12/1995	
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	131	5,491,097		Ribi et al.	02/1996	
	132	5,519,635		Miyake et al.	05/1996	
	133	5,741,462		Nova et al.	04/1998	
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	136	5,064,618		Baker et al.	11/1991	
	137	5,727,548		Hill et al.	03/1998	
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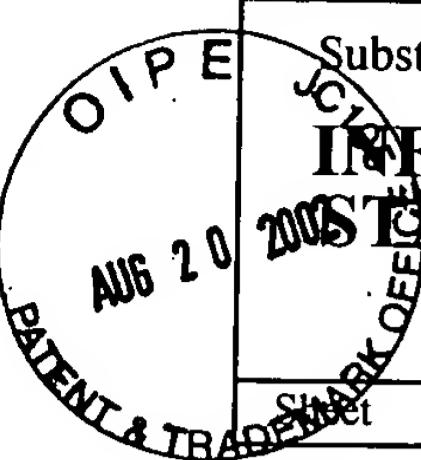
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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

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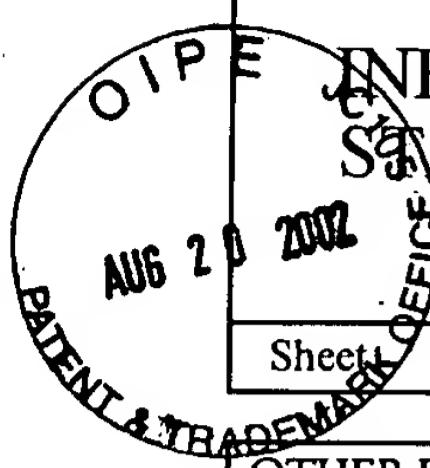
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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned

Attorney Docket Number A-68718-4/RFT/RMS/RMK



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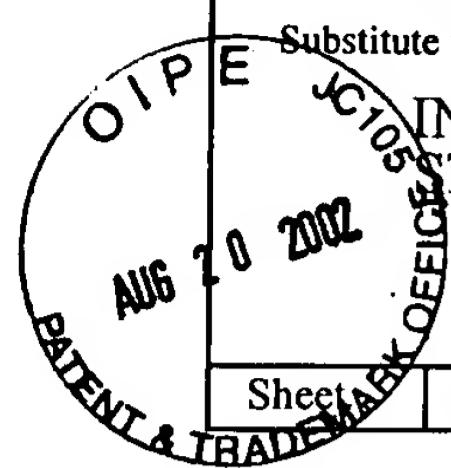
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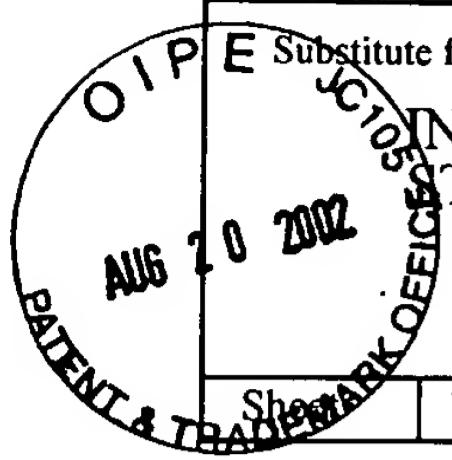
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Sheet 10 of 15

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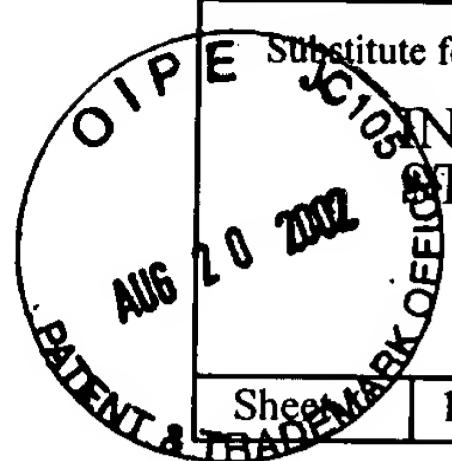
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Sheet 11 of 15

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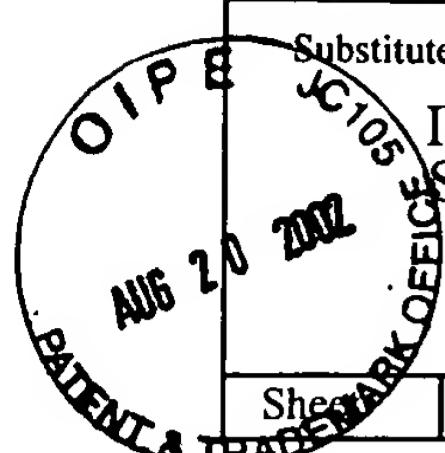
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Application Number	09/993,342
Filing Date	November 05, 2000
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned

Attorney Docket Number A-68718-4/RFT/RMS/RMK

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		Filing Date	November 05, 2001
		First Named Inventor	BLACKBURN, et al.
		Group Art Unit	1744
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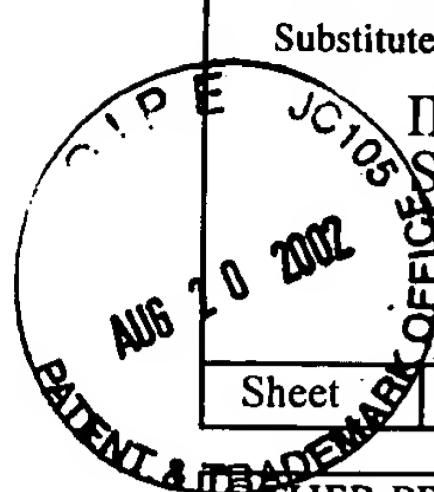
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